What Is Claimed Is:

1	1. A method for determining a class dependency that identifies a		
2	supporting class on which a target class depends, wherein the target class is		
3	defined in an object-oriented programming language, comprising:		
4	receiving a representation of the target class;		
5	creating a model of the target class from the representation;		
6	analyzing the model to detect references to the supporting class;		
7	if a supporting class is detected, determining a class dependency for the		
8	supporting class; and		
9	creating a list of dependent classes for the target class and supporting		
10	classes.		
1	2. The method of claim 1, further comprising, identifying classes that		
2	an object depends upon by:		
3	receiving a representation of the object;		
4	serializing the referenced object;		
5	parsing the data resulting from the object serialization to identify classes		
6	referenced from the target object's properties, configuration, or state; and		
7	determining the dependent classes of the referenced object.		
1	3. The method of claim 1, further comprising saving the list of		
2	dependent classes to a storage structure.		
1	4. The method of claim 3, wherein the storage structure is one of a		

hash table and a database.

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1	5.	The method of claim 1, wherein creating the list of dependent	
2	classes includes creating one of a distribution list and a distribution file.		
1	6.	The method of claim 2, further comprising:	
2	insert	ing the object into an object database;	
3	determining if the target class and supporting classes for the target class		
4	are in the class path; and		
5	adding the target class and supporting classes for the target class to the		
6	class path if i	necessary.	
1	7.	The method of claim 2, further comprising:	
2	retrieving the object from the object database;		
3	determining if the target class and supporting classes for the target class		
4	are in the class path; and		
5	adding the target class and supporting classes for the target class to the		
6	class path if necessary.		
1	8.	The method of claim 1, further comprising filtering the list of	
2	identified classes to remove duplicate and core class references.		
1	9.	The method of claim 1, further comprising saving the list of	
2	dependent cla	asses of the target class as well as the list of dependent classes of the	
3	supporting classes in cache to facilitate subsequent lookups of dependent classes		
4	of the target of	class.	
1	10.	A computer-readable storage medium storing instructions that	
2	when executed by a computer cause the computer to perform a method for		

3	determining a class dependency that identifies a supporting class on which a target		
4	class depends, wherein the target class is defined in an object-oriented		
5	programming language, the method comprising:		
6	receiving a representation of the target class;		
7	creating a model of the target class from the representation;		
8	analyzing the model to detect references to the supporting class;		
9	if a supporting class is detected, determining a class dependency for the		
10	supporting class; and		
11	creating a list of dependent classes for the target class and supporting		
12	classes.		
1	11. The computer-readable storage medium of claim 10, wherein the		
2	method further comprises, identifying classes that an object depends upon by:		
3	receiving a representation of the object;		
4	serializing the referenced object;		
5	parsing the data resulting from the object serialization to identify classes		
6	referenced from the target object's properties, configuration, or state; and		
7	if a target class is identified, determining the dependent classes of the		
8	target class.		
1	12. The computer-readable storage medium of claim 10, wherein the		
2	method further comprises saving the list of dependent classes to a storage		
3	structure.		
1	13. The computer-readable storage medium of claim 12, wherein the		
2	storage structure is one of a hash table and a database.		

1	14.	The computer-readable storage medium of claim 10, wherein	
2	creating the list of dependent classes includes creating one of a distribution list		
3	and a distribution file.		
1	15.	The computer-readable storage medium of claim 11, wherein the	
2	method further comprises:		
3	inserting the object into an object database;		
4	determining if the target class and supporting classes for the target class		
5	are in the class path; and		
6	adding the target class and supporting classes for the target class to the		
7	class path if necessary.		
1	16.	The computer-readable storage medium of claim 11, wherein the	
2	method further comprises:		
3	retrieving the object from the object database;		
4	determining if the target class and supporting classes for the target class		
5	are in the class path; and		
6	adding	g the target class and supporting classes for the target class to the	
7	class path if necessary.		
1	17.	The computer-readable storage medium of claim 10, wherein the	
2	method further comprises filtering the list of identified classes to remove		
3 duplicate and core class references.		core class references.	
1	18.	The computer-readable storage medium of claim 10, wherein the	
2	method furthe	er comprises saying the list of dependent classes of the target class a	

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4	subsequent lookups of dependent classes of the target class.	
1	19. An apparatus that determines a class dependency that identifies a	
2	supporting class on which a target class depends, wherein the target class is	
3	defined in an object-oriented programming language, comprising:	
4	a receiving mechanism that is configured to receive a representation of the	
5	target class;	
6	a modeling mechanism that is configured to create a model of the target	
7	class from the representation;	
8	an analysis mechanism that is configured to analyze the model to detect	
9	references to the supporting class;	
10	a supporting mechanism that is configured to determine a class	
11	dependency for the supporting class; and	
12	a listing mechanism that is configured to create a list of dependent classes	
13	for the target class and supporting classes.	
1	20. The apparatus of claim 19, wherein the receiving mechanism is	
2	additionally configured to receive a representation of an object;	
3	a serializing mechanism is configured to serialize the referenced object;	
4	a parsing mechanism configured to parse the data resulting from the object	
5	serialization to identify classes referenced from the target object's properties,	
6	configuration, or state; and	
7	a supporting mechanism that is configured to determine the dependent	

well as the list of dependent classes of the supporting classes in cache to facilitate

classes of the target class.

1	21.	The apparatus of claim 19, wherein the listing mechanism is	
2	configured to save the list of dependent classes to a storage structure.		
1	22.	The apparatus of claim 21, wherein the storage structure is one of	
2	hash table and	d a database.	
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1	23.	The apparatus of claim 19, wherein the listing mechanism is	
2	configured to create the list of dependent classes, including creating one of a		
3	distribution list and a distribution file.		
1	24.	The apparatus of claim 20, further comprising:	
2	an ins	sertion mechanism configured to insert the object into an object	
3	database;		
4	a determining mechanism configured to determine if the target class and		
5	supporting classes for the target class are in the class path; and		
6	an ad	ding mechanism configured to add the target class and supporting	
7	classes for the target class to the class path if necessary.		
1	25.	The apparatus of claim 20, further comprising:	
2	a retrieving mechanism configured to retrieve the object from an object		
3	database;		
4	a det	ermining mechanism configured to determine if the target class and	
5	supporting classes for the target class are in the class path; and		
6	an adding mechanism configured to add the target class and supporting		
7	classes for the target class to the class path if necessary.		

- 1 26. The apparatus of claim 19, further comprising a filtering 2 mechanism configured to filter the list of identified classes to remove duplicate
- 3 and core class references.
- 1 27. The apparatus of claim 19, further comprising a saving mechanism
- 2 configured to save the list of dependent classes of the target class as well as the
- 3 list of dependent classes of the supporting classes in cache to facilitate subsequent
- 4 lookups of dependent classes of the target class